ABSTRACT OF THE DISCLOSURE

A power assisted combination shear used for forming structural louvers in the crimped seam of structural steel decking comprises a frame supporting a pair of jaws which are opened and closed by means of an operator-controlled pneumatic cylinder. One jaw terminates in a blade, the other jaw has a corresponding die member . The blade and die have undercut reliefs in the root portions, which permit the louver to be formed without breaking through to the edge of the seam. The louver comprises a sheared portion in the form of a bowed tab bridging a corresponding window formed in the seam by the shearing of the tab. The interference between the louver and window provides a substantial increase in the lateral resistance (shear strength) of the crimped seam, thereby obviating the need to additionally weld or screw the seam to provide the necessary shear strength for even the highest stress applications.